20

	<b>\110</b> 2	Sungkyunkwan university
	<120>	Primer for detection of Human Papillomavirus
5	<160>	16
	<170>	Kopatentin 1.71
	<210>	1
10	<211>	20
	<212>	DNA
	<213>	Artificial Sequence
	<220>	
15	<223>	sense primer for detection of HPV11

<400>

ttaggcgttg gtgttagtgg

<210> 2

<211> 20

5 **<212> DNA** 

<213> Artificial Sequence

<220>

<223> anti-sense primer for detection of HPV11

10

<400> 2

aaaattcata gcaccaaagc

20

15

<210> 3

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> sense primer for detection of HPV16

5

<400> 3

ttaggtgtgg gcattagtg

19

10 <210> 4

<211> 20

<212> DNA

<213> Artificial Sequence

15 <220>

<223> anti-sense primer for detection of HPV16

<400> 4

aaagtccata gcaccaaagc

20

<210> 5

5 <211> 19

<212> DNA

<213> Artificial Sequence

<220>

10 <223> sense primer for detection of HPV18

<400> 5

ttaggtgttg gccttagtg

19

15

<210> 6

<211> 19

<212> DNA

	<213>	Artificial Sequence		
	<220>			
	<223>	anti-sense primer for detection of HPV18		
5				
	<400>	6		
	aaagtcca	aaagtccatg gcaccatat 19		
			•	
10				
	<210>	7		
	<211>	19		
	<212>	DNA		
	<213>	Artificial Sequence		
15				
	<220>			
	<223>	sense primer for detection of HPV31		

<400> 7

ttaggtgtag gtattagtg

19

5 <210> 8

<212>

<211> 19

DNA

<213> Artificial Sequence

10 <220>

<223> anti-sense primer for detection of HPV31

<400> 8

15 aaaatccata gctccaaag

19

<210> 9

<211> 46

	<212>	DNA
	<213>	Artificial Sequence
	<220>	
5	<223>	sense primer for amplification of HPV16-L1
	<400>	9
	gccccaa	gc ttgccgccac catgcaggtg acttttattt acatcc 46
10		
	<210>	10
	<211>	36
	<212>	DNA
15	<213>	Artificial Sequence
	<220>	
	<223>	anti-sense primer for amplification of HPV16-L1

<400> 10

atcgggctcg agcagcttac gttttttgcg tttagc

36

5

<210> 11

<211> 39

<212> DNA

<213> Artificial Sequence

10

<220>

<223> sense primer for amplification of HPV18-L1

15 <400> 11

gccccaagc ttgccgccac catgtgcctg tatacacgg

39

<210> 12

	<211>	36	
	<212>	DNA	
	<213>	Artificial Sequence	
5	<220>		
	<223>	anti-sense primer for amplification of HPV18-L1	
	<400>	12	
10	atcgggga	at tccttcctgg cacgtacacg cacacg	36
	<210>	13	
	<211>	42	
15	<212>	DNA	
	<213>	Artificial Sequence	
	<220>		
	<223>	sense primer for amplification of HPV31-L1	

47

<400> 13 gcccccaagc ttgccgccac catgtctctg tggcggccta gc 42 5 <210> 14 <211> 47 <212> DNA 10 <213> Artificial Sequence <220> <223> anti-sense primer for amplification of HPV31-L1 15 <400> 14 atcggggaat tcctttttag tttttttacg ttttgctggt gtagtgg

<210> 15

<211> 42

<212> DNA

<213> Artificial Sequence

5

<220>

<223> sense primer for amplification of HPV11-L1

10 <400> 15

gccccaagc ttgccgccac catgtggcgg cctagcgaca gc

42

<210> 16

15 <211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> anti-sense primer for amplification of HPV11-L1

<400> 16

5 atcggggaat tcctttttgg ttttggtacg ttttcgtttg gg

42